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INDEX TO THE VIERTELJAHRSSCHRIFT DER ASTRONOMISCHEN GESELLSCHAFT, BY GENERAL ALEXIS VON TILLO.

A very much-needed index to the first twenty-five volumes of the V. J. S. *der Astronomischen Gesellschaft* has just been made by General VON TILLO, and issued by the Society. E. S. H.

ELEMENTS OF COMET *PERRINE*, 1896 *a*.

From Mr. PERRINE'S observation at the time of discovery, the morning of February 15th, and my observations of the mornings of February 20th and 25th, I have computed the following elements of Comet 1896 *a*:—

$$\begin{array}{rl} T & 1896 \text{ Jan. } 31.77508 \text{ Gr. M. T.} \\ & \left.\begin{array}{rl} \omega & 358^\circ\ 21'\ 24''.7 \\ \Omega & 208\ \ 52\ \ 26\ .1 \\ \pi & 207\ \ 13\ \ 50\ .8 \\ i & 155\ \ 45\ \ 37\ .2 \end{array}\right\} 1896.0. \\ \log q & 9.768844. \end{array}$$

$$(O-C): \quad \Delta\lambda' \cos \beta' = +\, 2''.0; \quad \Delta\beta' = -\, 2''.0;$$

$$\frac{\tan(\lambda' - \Theta')}{\sin \beta'} = -\, 1.066.$$

An ephemeris has been computed from these elements, and the observations made in March show the comet to be following it very closely. The brightness of the comet is diminishing rapidly, and it will probably not remain visible more than two or three months longer. W. J. HUSSEY.

March 17, 1896.

CHARTS OF FAINT STARS FOR MAGNITUDE COMPARISON (THIRD SERIES).

The adjoining four small charts close the set of twelve, as originally planned for the thirty-six-inch telescope, furnishing one at about each two hours of Right Ascension. Their completion has been delayed, owing to the demands of other work, on the relatively few good nights that occur at the season of year when these are in position. In order to finish them, some of the observing has been done at rather large zenith distance; one of them is at fifty degrees zenith distance when on the meridian.

Still the charts represent the reach of the thirty-six-inch tele-